

PATENT ABSTRACTS OF JAPAN

(11)Publication number : 10-025489
 (43)Date of publication of application : 27.01.1998

(51)Int.CI.

C10M169/04
 //C10M169/04
 C10M105:04
 C10M107:14
 C10M137:04
 C10M133:06
 C10M133:16
 C10M129:70)
 C10N 30:06
 C10N 30:08
 C10N 40:04

(21)Application number : 08-180954

(71)Applicant : COSMO SOGO KENKYUSHO:KK
 COSMO OIL CO LTD

(22)Date of filing : 10.07.1996

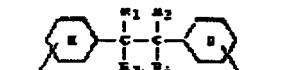
(72)Inventor : KUNUGI TOSHIO
 SOGA NATSUHITO
 SAKATA YASUYUKI

(54) TRACTION DRIVE FLUID

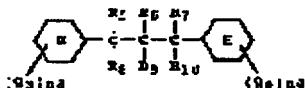
(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a traction drive fluid which exhibits a high traction coefficient in a wide temp. range and is excellent in friction characteristics by compounding a specific compd. having a high traction coefficient with a specific thermal copolymer, a phosphoric ester, and a friction modifier.

SOLUTION: This fluid comprises a compd. (A) represented by formula I or II (wherein R1 to R10 are each H, a 1-3C alkyl, or cyclohexyl; Q1 to Q4 are each a 1-3C alkyl or cyclohexyl; and n1 to n4 are each 0-5), a (hydrogenated) thermal copolymer (B) obtd. from a cyclopentadiene compd. and a vinylarom. hydrocarbon and having at least either a softening point of 40° C or higher or a wt. average mol.wt. of 250 or higher, a phosphoric ester (D) selected from among compds. represented by formulas III to V [wherein R is H or a (sulfur-contg.) 1-30C hydrocarbon group; and X and Y are each 1 or 2], and at least one friction modifier (E) selected from among N-based and ester-based friction modifiers. The fluid may contain a compd. (C) such as represented by formula VI (wherein Q5 is the same as Q1 to R4; and n5 is 0-10) and having a viscosity lower than that of compd. A at 40° C.



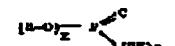
I



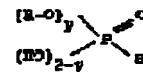
II



III



IV



V



VI

LEGAL STATUS

[Date of request for examination]

29.08.2002

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office